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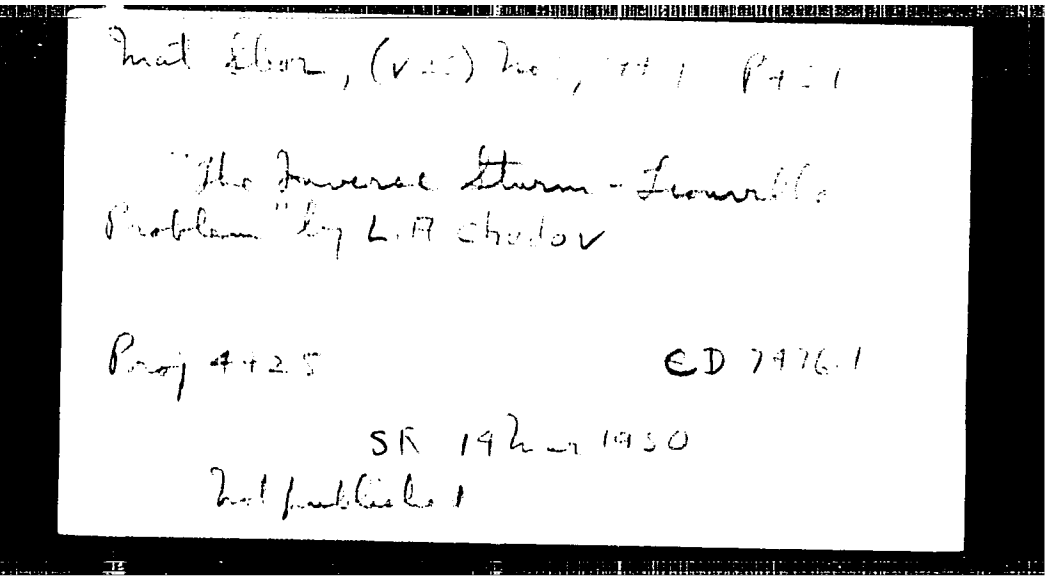


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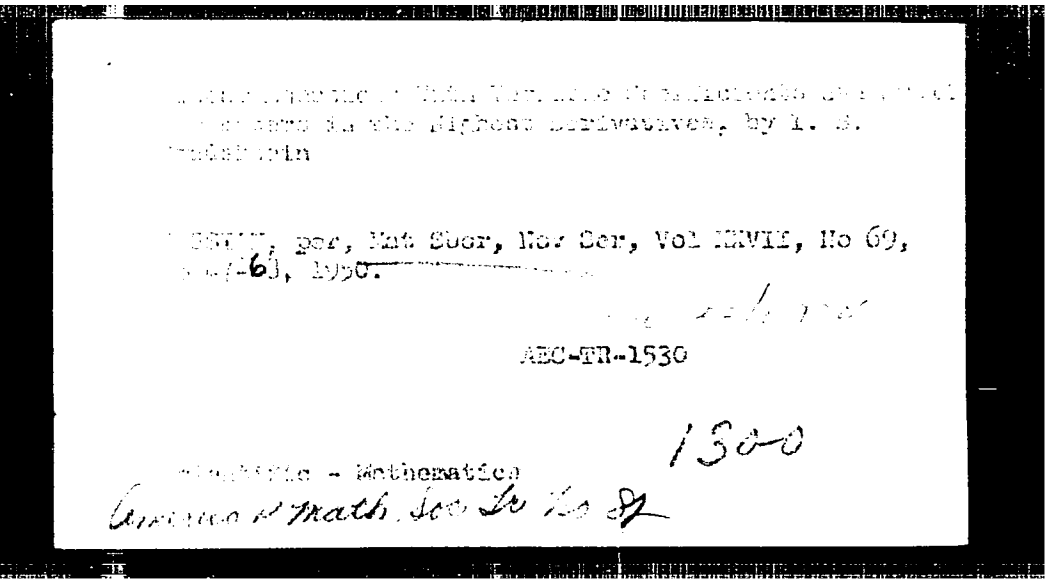

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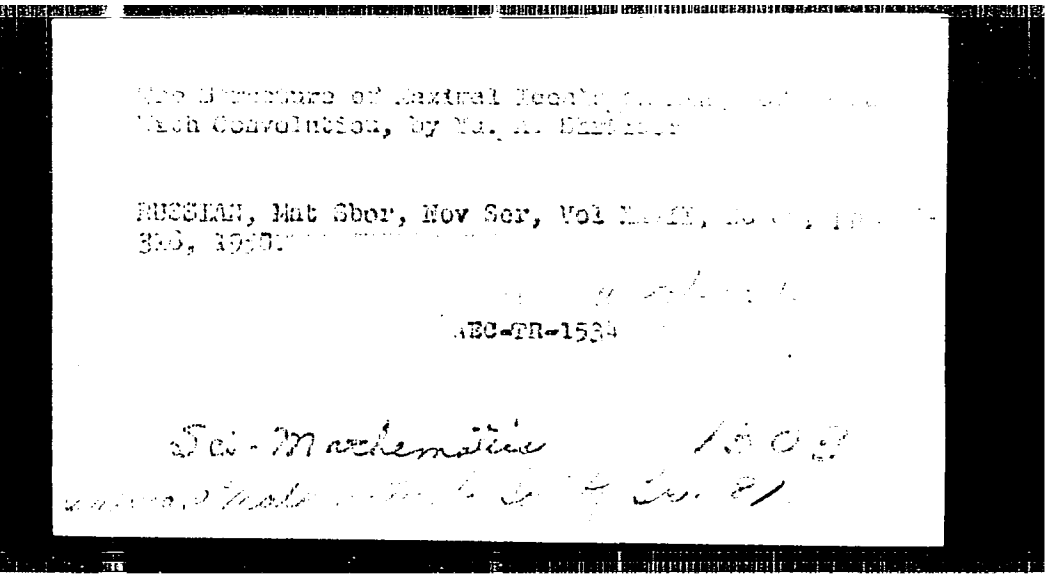

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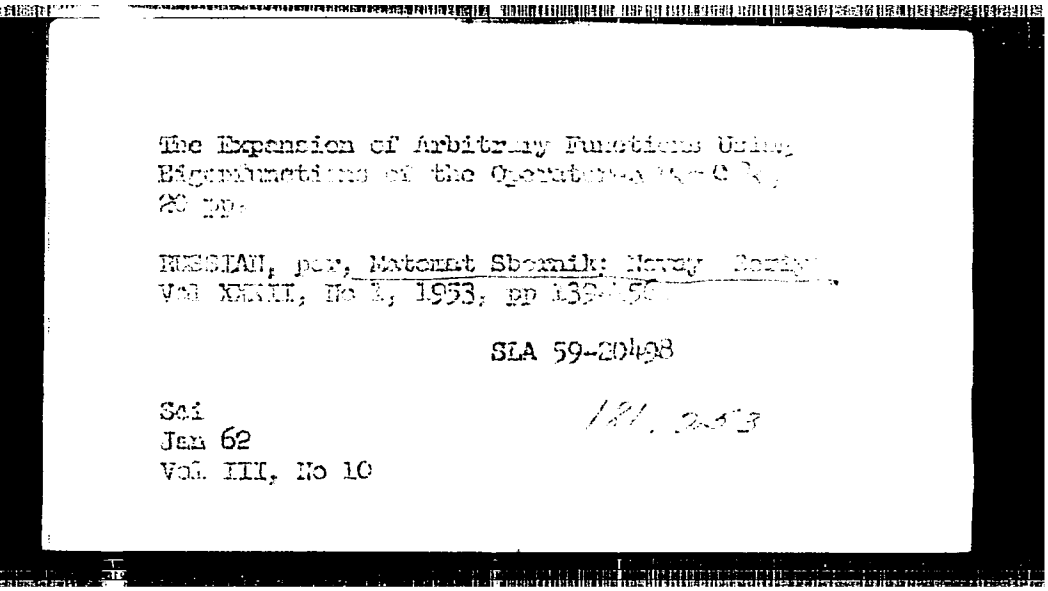

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ESTIMATES OF SOLUTIONS OF PARABOLIC SYSTEMS AND SOME OF THEIR APPLICATIONS. [1962] 42p.
7 refs.
Free copies available from Boeing Scientific Research Labs. Library as Boeing Trans. R54. When supply is exhausted, order from OTS or SLA $4.60, 63-10121

Trans. of Matematicheskii Sbornik (USSR) 1953, v. 33(75) no. 2, p. 359-382.

DESCRIPTORS: *Partial differential equations, *Differential equations, Green's function, Equations, Matrix algebra.

New estimates are obtained for elements of Green's matrix, which is the fundamental matrix for a parabolic system of differential equations; applications of these estimates to the problem of uniqueness
(Mathematics, TT, v. 9, no. 11) (over)

63-10121

1. Title: Cauchy problem
I. Eidel'man, S. D.
II. Boeing Trans-R54
III. Boeing Scientific Research Labs., Seattle, Wash.

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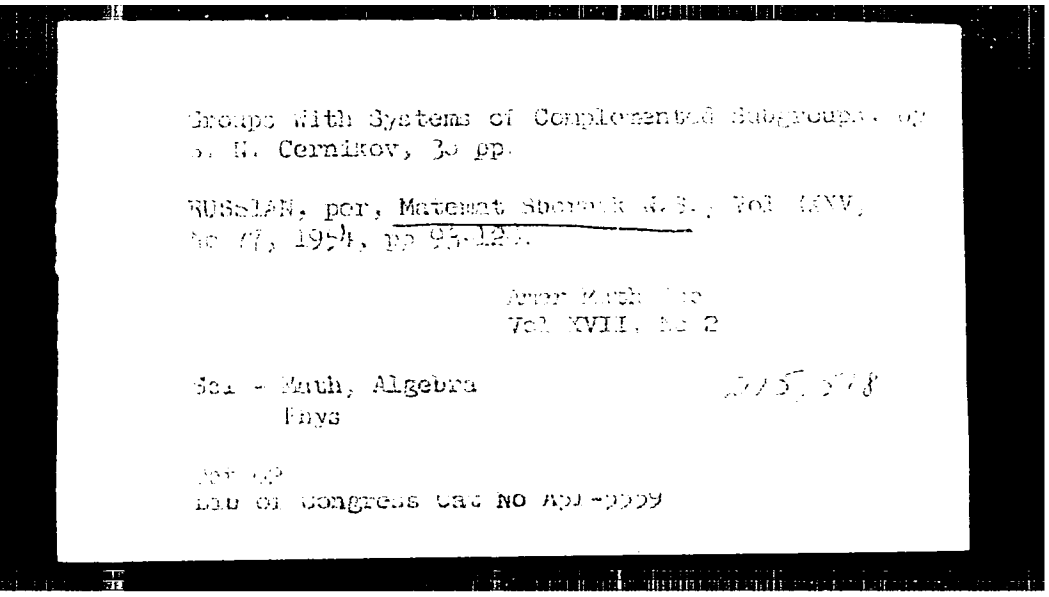

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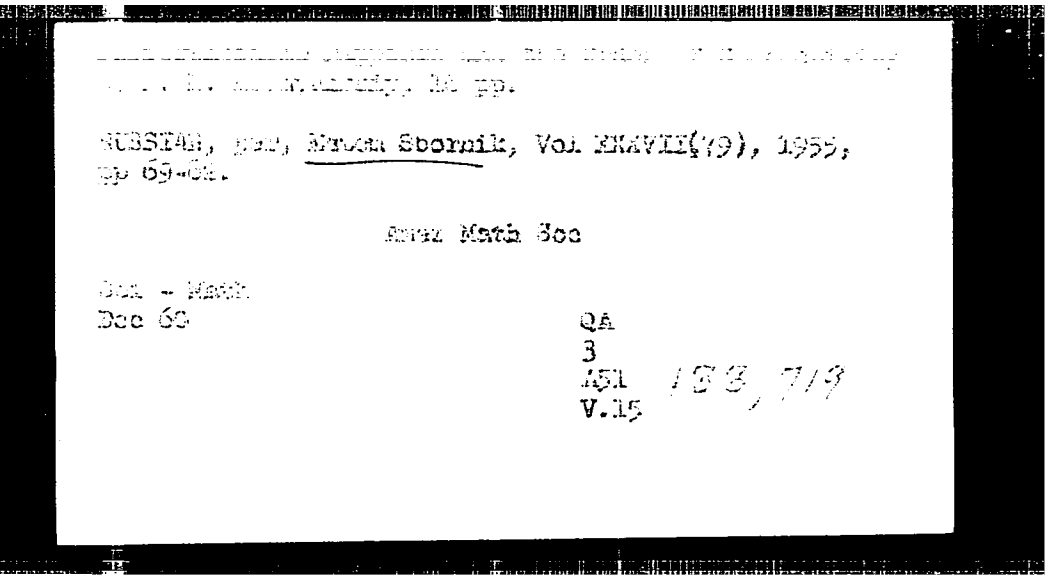

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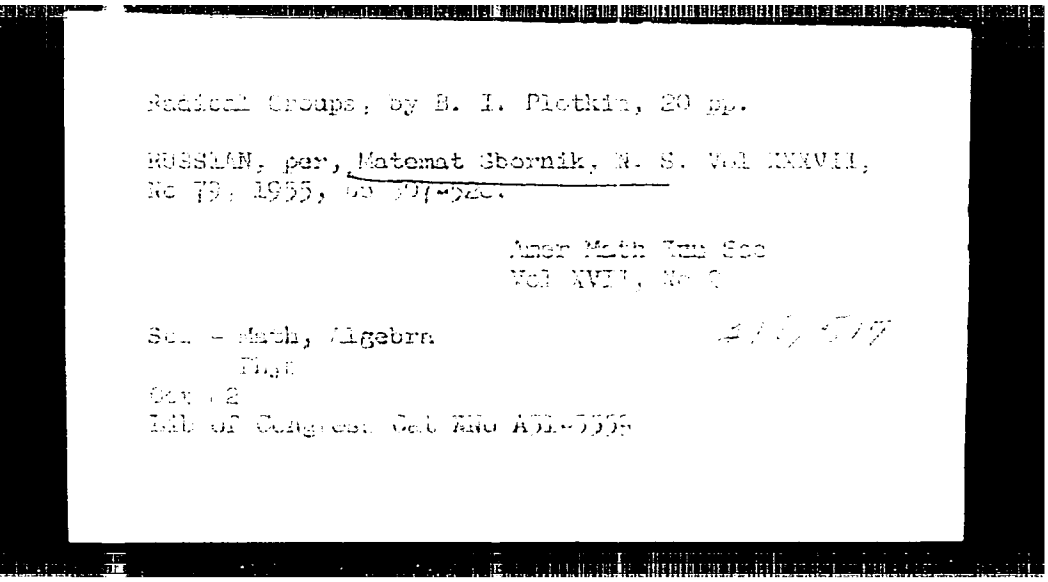

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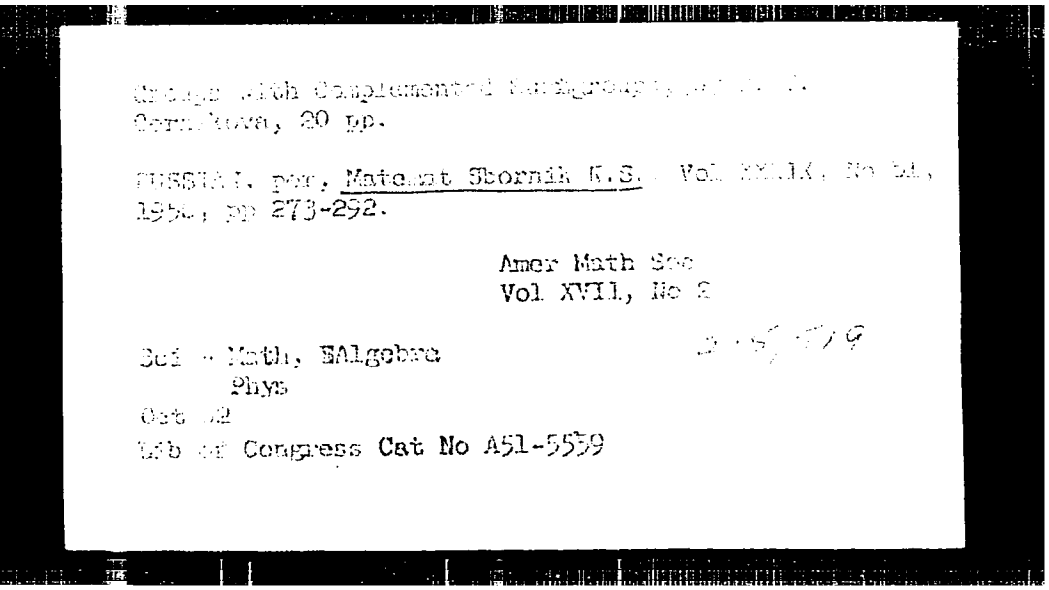

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Characterization of Compound Singular Points of a System of Two Differential Equations by Means of Rough Singular Points of Closely Related Systems, by N. A. Gubar, 34 pp.

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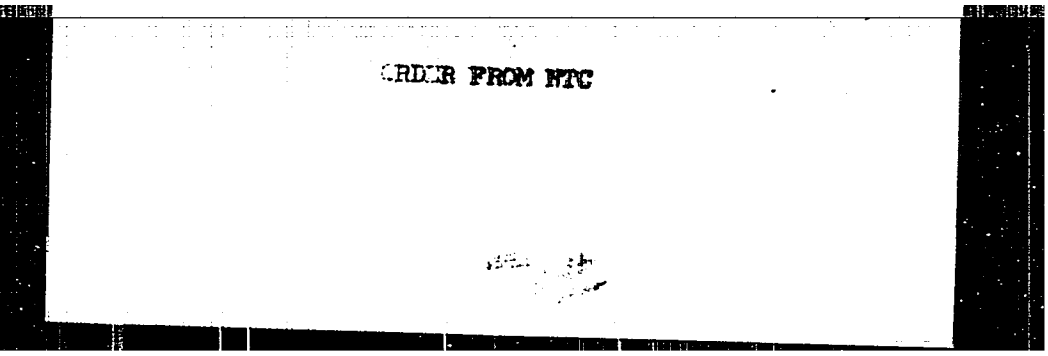


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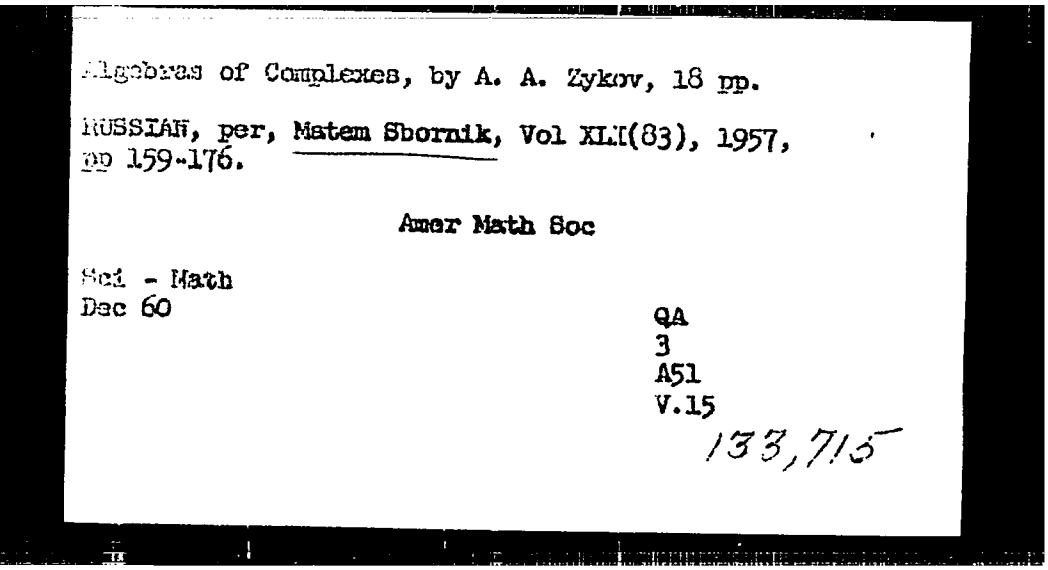

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On the Integral Representation and Expansion in [redacted] Generalized Taylor Series of Entire Functions of [redacted] Several Complex Variables, by M. M. Dzrbasjan, 21 11

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A. L. Oniscik.

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1958, pp 3-52.

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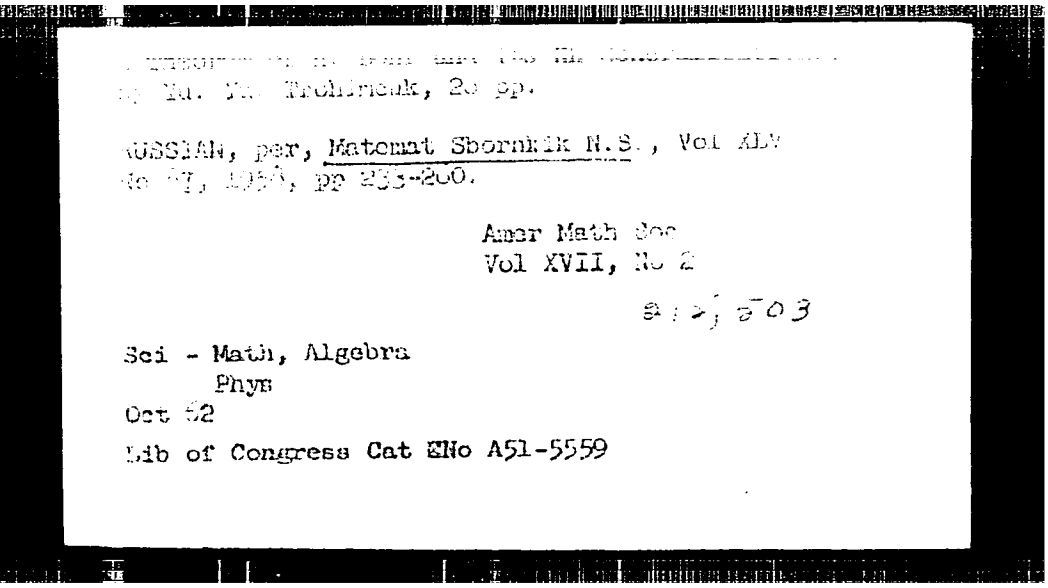

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Myshkis, A. D. and Khokhryakov, A. Ya.
TURBULENT DYNAMIC SYSTEMS. I. SINGULAR POINTS ON THE PLANE. [1963] [23p] 10refs
Order from OTS, SLA, or ETC $2.60 TT-63-20286

Trans. of Matematicheskii Sbornik (USSR) 1958, v. 45(87) no. 3, p. 401-414. (Abstract available)

DESCRIPTORS: Turbulence, *Dynamics, Equations, Trajectories, *Topology, Mathematical analysis.

Consideration is given to the neighborhood of a singular point in a dynamic system on a plane with piecewise-continuous righthand parts.

(Mathematics, TT, v. 11, no. 3)

TT-63-20286

I. Myshkis, A. D.
II. Khokhryakov, A. Ya.
III. Title: Singular ...

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The Fundamental Solution anf the Cauchy Problem for Parabolic Systems, by L. N. Slobodeckii, 34 p.
RUSSIAN, per, Matemat Sbornik, Vol XLVI(88), 1958, pp 229-258.

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Babkin, B. N.
ON THE THEORY OF S. A. CHAPLYGIN ON DIFFERENTIAL INEQUALITIES. May 60 [13]p. 8 refs. Order from OTS or SLA $1.60 62-20255

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DESCRIPTORS: *Inequalities, Differential equations, Functions, Theory.

Babkin constructs an extention of Chaplygin's theorem about differential inequalities by tightening the hypotheses on the class of functions which are to satisfy the differential inequality. (Author)

(Mathematics, TT, v. 9, no. 9)

62-20255

1. Title: Differential inequalities
2. Title: Chaplygin theory
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II. Chaplygin, S. A.

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A Characterization of the Growth of an Entire Function of Two Variables and Its Application to the Summation of Double Power Series, by V. K. Ivanov.

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Godunov, S. K.
FINITE DIFFERENCE METHOD FOR NUMERICAL COMPUTATION OF DISCONTINUOUS SOLUTIONS OF THE EQUATIONS OF FLUID DYNAMICS [Rasnostnyi Metod Chislennogo Rascheta Razryvnykh Reshenig Uravneniya Gidrodinamik]. [1963] 48p 4refs
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(Physics--Theoretical, TT, v. 11, no. 11)

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Representation of Continuous Functions of Many Variables by the Superposition of Continuous Functions ~~Kmmmmm~~ of Two Variables, by I. V. Arnol'd.

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Estimation of Eigenvalues of Hermitian Kernels,
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On a Class of Polynomials With Extremal Properties, by V. L. Pokrovskiy.

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Nonhomogeneous Generalized Functions of Two Variables, by M. V. Fedorjuk, 18 pp.
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Real Linear Locally Nilpotent Groups, by D. A. Suprunenko, 10 p.
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ON LIMIT CYCLES IN SYSTEMS OF DIFFERENTIAL EQUATIONS WITH A SMALL PARAMETER IN THE HIGHEST DERIVATIVES (O Predel'nykh Tsiklakh Sistem Differentsial'nykh Uravnenii s Malym Parametrom pri Starshikh Proizvodnykh)
N. H. Choksy, tr. 1963, 43p 10refs
Order from AMS in American Mathematical Society Translations, 1963, ser. 2, v. 33 (p. 233-275)

Trans. of Mat[ematicheskii] Sb[ornik] (USSR) 1960, v. 50(92) [no. 3] p. 299-334.
Another transl is available from OTS or SLA $4.60 as TT-62-23131, MDF A-157 [1960] 44p.

DESCRIPTORS: *Differential equations, Calculus of variations, Matrix algebra

(Mathematics, TT, v. 11, no. 8)

TT-64-12640 (p. 233-275)

I. Anosov, D. V.
II. American Mathematical Society, Providence, R. I.

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On XConvex Capacity, by K. V. Temko.

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Numerical Method of Solving Two-Dimensional and Three-dimensional Diffusion Equations, by N. I. Buleyev.
RUSSIAN, per, Matematicheskiy Sbornik, Vol 51, No 93, 1960, pp 227-238.
NLL Ref: 9091.9F (CTO/584)

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A. L. Mal'cev, 12 p.
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Direct Decompositions with Indecomposable Summands in Algebraic Categories, by A. H. Livsiv, 46 p. RUSSIAN, per, Matemat Sbornik, Vol. LI (93), 1960, pp 427-458.

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by E. G. Sul'geifer,
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pp 487-500.
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Properties of Topological Spaces Preserved Under Multivalued Continuous Mappings, by V. I. Ponomarev, 22 p.
RUSSIAN, per, Matemat Sbornik, Vol LI(93), 1960, pp 515-536.

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On Representations of Semigroups by Partial Mappings, by E. S. Ljapin.

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Sci-Math
Jun 66

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